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Waste Site Reclassification Form

Date Submitted: 8/27/1999	Operable Unit(s): 200-CW-5	Control Number: 99-064
Originator: B. H. Ford	Waste Site ID: UPR-200-W-105	
Phone: 372-9176	Type of Reclassification Action: Rejected <input checked="" type="radio"/> Closed-Out <input type="radio"/> No Action <input type="radio"/>	

This form documents agreement among the parties listed below authorizing classification of the subject unit as rejected, closed-out, or no action and authorizing backfill of the site, if appropriate. Final removal from the NPL of no action or closed-out sites will occur at a future date.

Description of current waste site condition:

The site is historically identified as an unplanned release. The site is posted with "Underground Radioactive Material" warning signs. The leach trenches were stabilized along with the 216-U-10 Pond. The AC-540 markers at the ends of the trenches are labeled 216-U-10 and URM. (The trench was designed to intentionally receive overflow from the pond. The water that filled the trench was not an "Unplanned Release". Engineered structures were typically assigned a number from historical Hanford waste site naming conventions. Since trenches like this one did not match any of the usual site name choices, they were given UPR numbers for lack of a better choice.)

Basis for reclassification:

This site is fully contained within the boundary of the 216-U-10 Pond and will be dispositioned with 216-U-10 Pond.

BRYAN L. FOLEY
DOE Project ManagerBryan L. Foley
Signature1/26/00
Date

Ecology Project Manager

Signature

Date

Douglas R. Sherwood
EPA Project ManagerDouglas R. Sherwood
Signature1/25/00
Date

Waste Information Data System

General Summary Report

11/23/1999

Site Code:	UPR-200-W-105	Site Classification:	Accepted	Page 1
Site Names:	UPR-200-W-105, UN-216-W-15, 216-U-10 Pond Leach Trench			
Site Type:	Unplanned Release	Start Date:		
Status:	Inactive	End Date:		
Operable Unit:	200-CW-5	Coordinates:		
Hanford Area:	200W	(E)	0	
		(N)	0	
		Washington State Plane		
Site Description:	The site is historically identified as an unplanned release. The site is posted with "Underground Radioactive Material" warning signs. The leach trenches were stabilized along with the 216-U-10 Pond. The AC-540 markers at the ends of the trenches are labeled 216-U-10 and URM.			
	This site has been consolidated with the 216-U-10 Pond			
Location Description:	The trench runs directly east from the center of the east side of the 216-U-10 Pond.			
Process Description:	The trench was dug to provide additional leaching area for 216-U-10 Pond overflow water.			
Associated Structures:	UPR-200-W-105 was associated with the 216-U-10 Pond.			
Site Comment:	The trench was designed to intentionally receive overflow from the pond. The water that filled the trench was not an "Unplanned Release". Engineered structures were typically assigned a number from historical Hanford waste site naming conventions. Since trenches like this one did not match any of the usual site name choices, they were given UPR numbers for lack of a better choice.			
	In 1978 the bottom of the trench was surveyed with a GM and P-11 probe. The average contamination level was 2,000 counts per minute. The west end of the trench had contamination levels of 3000 counts per minute. Soil samples were also collected from the trench bottom in 1978. The east end of the trench showed 1010 picocuries per gram (pCi/g) of cesium-137 and 40 picocuries per gram (pCi/g) of strontium-90. The middle of the trench had 1620 picocuries per gram (pCi/g) of cesium-137 and 80 picocuries per gram (pCi/g) of strontium-90. The west end of the ditch had 2030 picocuries per gram (pCi/g) of cesium-137 and 38 picocuries per gram (pCi/g) of strontium-90.			
Cleanup Activities:	The trench was backfilled and surface stabilized in 1985, along with the 216-U-10 Pond.			
Environmental Monitoring Description:	A surface radiological survey is done annually on the backfilled trench. A 1978 radiation survey found Geiger-Mueller readings in the bottom of the trench were generally 2,000 counts per minute in the east end of the trench and 3,000 counts per minute in the west end of the trench. Analyses of soil samples taken at the same time detected potassium-40, strontium-89, strontium-90, cesium-137, and europium-154 on the ground surface at the bottom of the trench.			
Access Requirements:	Hazardous Waste Training Rad Worker II Training			
References:	1. H. L. Maxfield, 4/1/79, Handbook - 200 Area Waste Sites (Volumes 1, 2 and 3), RHO-CD-673. 2. R. D. Stenner, K. H. Cramer, D. A. Lamer, 10/88, Hazard Ranking System Evaluation of CERCLA Inactive Waste Sites at Hanford, PNL-6456 Vol 1,2,3. 3. T. M. Wintczak, 5/20/92, Federal Facility Agreement and Consent Order Change Control Form - Change to 200-UP-2 Work Plan scope and M-12-15 interim milestone date. (TPA), M-12-62-1. 4. S.M. McKinney, 12/06/94, Status of Outdoor Radiological Contamination at the Hanford Site, WHC-SP-114 5. Markes, B.M., S.M. McKinney, 12/15/95, Routine Environmental Monitoring Schedule, Calendar Year 1996, WHC-SP-0096-7. 6. CR Webb, 5-25-99, Telephone Conversation with WM Hayward related to Stabilization Dates of the U Pond Fingers.			

Dimensions:

Length: 152.40 Meters 500.00 Feet

Site Code: UPR-200-W-108

Site Classification: Accepted

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Width: 13.72 Meters 45.00 Feet
Depth / Height: 4.57 Meters 15.00 Feet

References: 1. R. D. Stenner, K. H. Cramer, D. A. Lamar, 10/88, Hazard Ranking System Evaluation of CERCLA Inactive Waste Sites at Hanford, PNL-6456 Vol 1,2,3.

Regulatory Information:

Programmatic Responsibility

DOE Program: EM-40 Confirmed By Program: Yes
DOE Division: RPD - Restoration Projects Division
Responsible Contractor/Subcontractor: BHI - Bechtel Hanford, Inc.

Site Evaluation

Solid Waste Management Unit: No
TPA Waste Management Unit Type: Unplanned Release Unit

This Site Was Consolidated With:

216-U-10, U Swamp, 216-U-1, 216-U-10 Pond, 231 Swamp

Reason: Within Boundary Of Larger Site

Permitting

RCRA Part A Permit:	No	216/218 Permit:	No
RCRA Part B Permit:	No	NPDES:	No
Closure Plan:	No	State Waste Discharge Permit:	No
TSD Number:		Septic Permit:	No
Air Operating Permit:	No	Inert Landfill:	No
Air Operating Permit Number(s):			

Tri-Party Agreement

Lead Regulatory Agency: EPA
Unit Category: CERCLA Past Practice (CPP)
TPA Appendix: C

Remediation and Closure

Decision Document:
Decision Document Status:
Remediation Design Group:
Closure Document:
Closure Type:

Post Closure Requirements:

Residual Waste:

Waste Information:

Type: Process Effluent
Category: Mixed
Physical State: Liquid

Waste Obscured: Soil Overburden

Description: A trench was dug to provide additional leaching surface for overflow water from the 216-U-10 Pond. There is low-level, beta/gamma and alpha activity in the bottom of the leach trench. Potential contaminants of concern include cesium-137, strontium-89, strontium-90, potassium-40, and europium-154.

References: 1. H. L. Maxfield, 4/1/79, Handbook - 200 Area Waste Sites (Volumes 1, 2 and 3), RHO-CD-673.

Field Work:

Type: Site Walkdown

Begin Date: 07/30/1999

Field Crew: CR Webb

End Date: 07/30/1999

Purpose: verification

Comment: The leach trenches were stabilized along with the 216-U-10 Pond. The AC-540 markers at the ends of the trenches are labeled 216-U-10 and URM.

Site Cover:

Site Accessible: Yes

Site Found: Yes

Soil Discoloration: No

Debris Visible: No

Vegetation Type: Bunchgrasses

References: 1. C. R. Webb, Field Logbook assigned to Christine Webb, EL-1255 and EL-1255-1.

Images:

Date Taken: 7/30/99

Pathname: \\bhl002\lead-img\200W\1418\1418_01.JPG

Description: Photo shows the stabilized leach trenches at 216-U-10 Pond. The UPR is not separately marked or posted.

Date Taken: 7/30/99

Pathname: \\bhl002\lead-img\200W\1418\1418_02.JPG

Description: Photo shows the stabilized leach trenches at 216-U-10 Pond. The UPR is not separately marked or posted.